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TI Catalytic polymerization of propargyl alcohol

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AB Polymers are prepared by heating propargyl alc., halogenating agents (CCl<sub>4</sub> or CBr<sub>4</sub>), catalysts ((Ph<sub>3</sub>P)<sub>2</sub>PdCl<sub>2</sub> or PdCl<sub>2</sub>), and solvents (pyridine-DMF) at ratio 1:(0.006-1.2):(0.0005-0.005):(0.25-10) at 60-120° for 3-30 h, washing, and drying. A pyridine salt of chlorinated poly(propargyl alc.) was prepared